IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n re Application of:)	
ANGEL et al.)) Group Art:	
Serial No. Not Assigned)) Examiner	
Filed: With Application))	

For: PROCESS FOR PREPARING WATER-SOLUBLE OR WATER-DISPERSIBLE POLYETHER-CONTAINING POLYMERS AND THE USE THEREOF AS COATING AGENTS, BINDERS AND/OR FILM-FORMING EXCIPIENTS IN PHARMACEUTICAL DOSAGE FORMS OR PACKAGING MATERIALS OR AS ADDITIVES IN COSMETIC, DERMATOLOGICAL OR HYGIENIC PREPARATIONS

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

Prior to examination of this continuation application, kindly amend the above-identified application as follows:

IN THE CLAIMS

- 3. A process as claimed in [ither of claims 1 and 2] <u>claim 1</u>, wherein liquid polyethylene glycol is used as solvent for the free-radical initiator at room temperature.
- 4. The use of the polymers prepared by a process as claimed in <u>claim 1</u> [any of claims 1 to 3] as coating agents, binders and/or film-forming excipients for pharmaceutical dosage forms.
- 5. The use of the polymers prepared by a process as claimed in <u>claim 1</u> [any of claims 1 to 3] as additives to cosmetic, hygienic and/or dermatological preparations.

6. A cosmetic, dermatological, hygienic or pharmaceutial dosage form comprising at least one of the polymers prepared by a process as claimed in claims1 [claims 1 to 3] in addition to conventional excipients.

REMARKS

The claims have been amended to eliminate multiple dependency. No new matter has been added. A clean copy of the claims is attached.

Entry of the above amendment is respectfully solicited.

Respectfully submitted,

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We claim:

- 1. A process for preparing graft copolymers of polyvinyl esters by polymerization of
 - a) at least one vinyl ester of aliphatic $C_1\text{-}C_{24}\text{-}\text{carboxylic}$ acids in the presence of
 - b) polyethers which are solid at room temperature and have the general formula I

in which the variables have the following meaning, independently of one another:

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R^1 hydrogen, C_1-C_{24}-alkyl, R^9-C(=0)-, R^9-NH-C(=0)-, polyalcohol residue;
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$$R^8$$
 hydrogen, C_1-C_{24} -alkyl, $R^9-C(=0)-$, $R^9-NH-C(=0)-$;

 \mathbb{R}^2 to \mathbb{R}^7

$$-(CH_2)_2-$$
, $-(CH_2)_3-$, $-(CH_2)_4-$, $-CH_2-CH(CH_3)-$, $-CH_2-CH(CH_2-CH_3)-$, $-CH_2-CHOR^{10}-CH_2-$;

$$R^9$$
 C_1-C_{24} -alkyl;

 R^{10} hydrogen, C_1-C_{24} -alkyl, $R^9-C(=0)$ -;

B $-(CH_2)_t$ -, arylene, optionally substituted;

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n 1 to 8;
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s 0 to 500;

t 1 to 12;

u 1 to 5000;

v 0 to 5000;

w 0 to 5000;

x 1 to 5000;

y 0 to 5000;

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- z 0 to 5000
- c) and, where appropriate, at least one other monomer

using a free-radical initiator system, wherein liquid polyalkylene glycol is used as solvent for the free-radical initiator system.

- 2. A process as claimed in claim 1, wherein the solution of the free-radical initiator system is added continuously throughout the polymerization reaction time.
- 3. A process as claimed in claim 1, wherein liquid polyethylene glycol is used as solvent for the free-radical initiator at room temperature.
- 4. The use of the polymers prepared by a process as claimed in claim 1 as coating agents, binders and/or film-forming excipients for pharmaceutical dosage forms.
- 5. The use of the polymers prepared by a process as claimed in claim 1 as additives to cosmetic, hygienic and/or dermatological preparations.
- 6. A cosmetic, dermatological, hygienic or pharmaceutial dosage form comprising at least one of the polymers prepared by a process as claimed in claim 1 in addition to conventional excipients.
- 7. Graft copolymers of polyvinyl esters obtainable by polymerization of
 - a) at least one vinyl ester of aliphatic $C_1\text{--}C_{24}\text{--carboxylic}$ acids in the presence of
 - b) polyethers which are solid at room temperature and have the general formula I

in which the variables have the following meaning, independently of one another:

- R^1 hydrogen, C_1-C_{24} -alkyl, $R^9-C(=0)-$, $R^9-NH-C(=0)-$, polyalcohol residue;
- R^{8} hydrogen, $C_{1}-C_{24}-alkyl$, $R^{9}-C(=0)-$, $R^{9}-NH-C(=0)-$;

 R^2 to R^7

 $-(CH_2)_2-$, $-(CH_2)_3-$, $-(CH_2)_4-$, $-CH_2-CH(CH_3)-$, $-CH_2-CH(CH_2-CH_3)-$,

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-CH2-CHOR10-CH2-;
\mathbf{R}^9
      C_1-C_{24}-alkyl;
R^{10}
     hydrogen, C_1-C_{24}-alkyl, R^9-C(=0)-;
     -C(=0)-O-, -C(=0)-B-C(=0)-O-,
A
      -C(=0)-NH-B-NH-C(=0)-O-;
В
     -(CH<sub>2</sub>)<sub>t</sub>-, arylene, optionally substituted;
n
      1 to 8;
     0 to 500;
t
     1 to 12;
     1 to 5000;
u
     0 to 5000;
v
     0 to 5000;
W
     1 to 5000;
X
У
     0 to 5000;
Z
     0 to 5000
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c) and, where appropriate, at least one other monomer

using a free-radical initiator system, wherein liquid polyalkylene glycol is used as solvent for the free-radical initiator system.